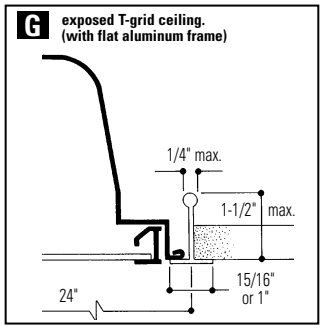
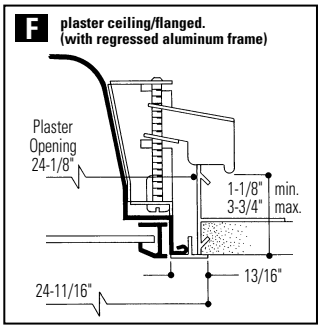
2'x2' RECESSED FLUORESCENT, LENS FRAME TROFFER, STATIC
2 OR 3 LAMP, T8, 1-5/8" U LAMP OR 2' LAMP

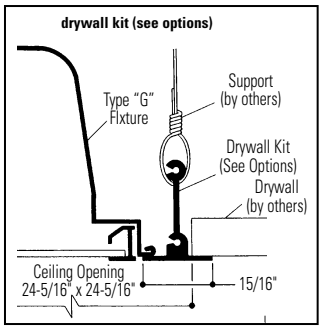
Features

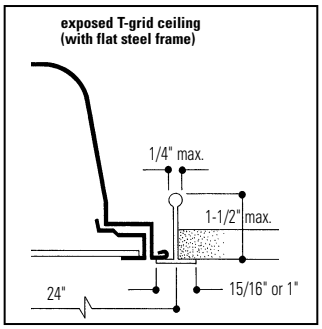
- 5" deep body.
- 3-1/16" lamp to lens for better lamp obscuration.
- 67.9% efficient (3 1-5/8" U Lamp).
- Clean contoured interior.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Slimline door frame with 475 square inch lens opening.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.
- Construction to meet Chicago Plenum requirements is available.

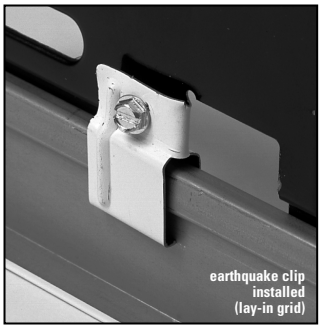
MOUNTING METHODS



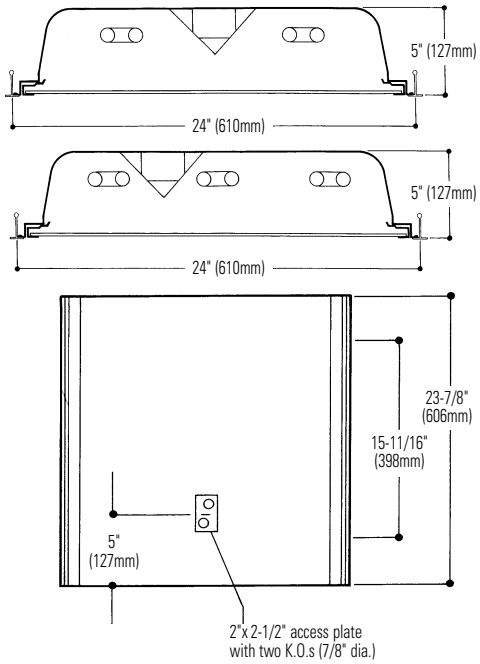








DIMENSIONS



Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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LIGHTOLIER®

2'x2' RECESSED FLUORESCENT, LENS FRAME TROFFER, STATIC 2 OR 3 LAMP, T8, 1-5/8" U LAMP OR 2' LAMP

PHOTOMETRY

TESTING LABORATORY

45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G00057 DATE: 03-28-2000
CATALOG NO.: SPS2GFSVA**12003**
LAMP(S): 3 FB031/41K, EACH RATED 2725 LUMENS.
LUMINAIRE: NEW 2X2 TROFFER WITH XT STYLE DOOR FRAME
1 COVER AND 3 U LAMPS
ADVANCE REL-3P32-SC
0.65 AMPS 76.2 WATTS

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2391	2391	2391	2391	2391	
5	2376	2376	2376	2376	2382	226
15	2269	2276	2289	2307	2315	647
25	2056	2072	2106	2144	2160	971
35	1728	1751	1799	1851	1877	1126
45	1277	1306	1361	1429	1467	1051
55	786	798	840	881	909	755
65	434	410	411	456	460	434
75	219	216	201	255	264	244
85	82	84	87	108	109	98
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

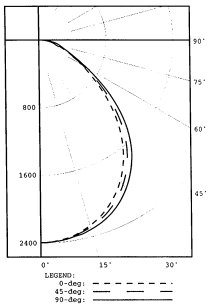
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1844	22.6	33.2
0- 40	2970	36.3	53.5
0- 60	4776	58.4	86.0
0- 90	5552	67.9	100.0
90-180	0	0.0	0.0
0-180	5552	67.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 67.9 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.3
SHIELDING ANGLES	: 90	90
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:21.960	21.960

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	5802.	6184.	6666.
55	4403.	4705.	5092.
65	3300.	3125.	3497.
75	2719.	2495.	3277.
85	3023.	3207.	4018.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCECURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

MODEL NO. SPS2GFSVA32U or 17

Luminaire Efficacy Rating
LER-64.1 Watts-76.2 BF-0.88

coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF	20			20			20		
RC	80			50			30		
RW	70	50	30	50	30	10	50	30	10
1	75	72	69	67	65	63	65	63	62
2	69	63	59	60	57	54	58	55	53
3	63	56	51	53	49	46	52	48	45
4	58	51	45	48	44	40	46	43	39
5	54	46	40	43	39	35	42	38	35
6	50	41	36	39	35	31	38	34	31
7	46	38	32	36	31	28	35	31	28
8	43	34	29	33	28	25	32	28	25
9	40	32	26	31	26	23	30	26	23
10	38	29	24	28	24	21	28	24	21

room cavity ratio

visual comfort probability (rated lumens per lamp 3150.)

room size		ceiling height				ceiling height			
W	L	8.5	10.0	13.0	16.0	8.5	10.0	13.0	16.0
20	20	51	55	62	69	49	53	59	66
20	30	45	48	53	58	41	45	50	55
20	40	42	44	48	52	36	40	44	49
20	60	38	41	44	47	32	36	39	44
30	20	53	57	61	67	51	55	59	65
30	30	46	49	52	57	42	46	50	54
30	40	41	44	47	50	37	40	44	47
30	60	38	41	42	45	33	36	38	42
30	80	36	39	40	43	31	33	35	38
40	20	54	58	62	67	53	57	61	66
40	30	47	50	53	57	44	48	51	55
40	40	42	45	47	50	38	42	45	48
40	60	38	41	42	45	34	37	38	42
40	80	37	39	39	42	32	34	35	38
40	100	36	38	38	40	31	32	33	35
60	30	48	51	54	58	46	50	52	56
60	40	43	46	48	51	40	43	46	49
60	60	39	41	42	45	35	37	39	42
60	80	37	39	39	42	32	34	35	38
60	100	36	37	37	40	31	32	33	35
100	40	45	48	50	53	44	47	49	52
100	60	41	43	44	47	38	40	41	45
100	80	39	40	40	43	35	37	37	40
100	100	37	38	38	40	33	34	34	36

luminaries lengthwise / luminaries crosswise

ORDERING INFORMATION

Explanation of Catalog Number. Example: SPS2GFSVA32U12003RF

SP	S	2			VA					

SPECPLUS: Recessed fluorescent troffer

STATIC

FIXTURE WIDTH

CEILING TYPE:
G=Grid (lay-in T bar)
F=Flanged (overlap) Z spline and plaster frame

LENS FRAME:
FS=Flat steel frame
RA=Regressed aluminum frame
FA=Flat aluminum frame

LENS/SHIELDING TYPE: VA (virgin acrylic) standard (see options and consult factory)

LAMP QUANTITY:
2=2 Lamp
3=3 Lamp

LAMP/ FIXTURE LENGTH:
2U=T8, 1-5/8" U Lamp
17=T8, 2' Lamp (Nominal 24")

VOLTAGE: 120 or 277

BALLAST TYPE:

	<20THD	<10THD
1 & 2 Lamp Elec. T8	**SO***	**HI***
1-3 Lamp Elec. T8	**O3***	**H3***
LOL Dimming	**PS**	–

***Instant Start Standard**

Other dimming options. Consult factory.

OPTIONS: Add appropriate suffix to catalog no., ie: (GLR)

OPTIONS & ACCESSORIES

SPECIAL LENSES: Substitute VB for VA (standard) = .125" nominal pattern 12 with 7.8 oz. average weight per square foot. Substitute VI for VA (standard) = .125" nominal pattern 12 with 6.8 oz. average weight per square foot.
PLASTER FRAME: Catalog Number **PF22** .
CONTINUOUS ROW INSTALLATION: For F type fixtures, half width flanges are required between fixtures. Order Catalog Number: **S2FCTRIM** (each joint).
RADIO INTERFERENCE FILTER 120 or 277 volt, 50 or 60 Hz. One per fixture is standard. SUFFIX: **RF**.
FUSING: Internal fast-blow fusing. SUFFIX: **GLR**.
Internal slow-blow fusing. SUFFIX: **GMF**.
ELECTRICAL/WIRING OPTIONS: Consult factory.
DRYWALL KIT: Order Catalog Number: **FK92X2**.
Request Folio OA30-10.
CHICAGO PLENUM: SUFFIX: **CP**.

SPECIFICATIONS

PERFORMANCE: In an installation of 3 lamp 31W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .72. To prevent glare the VCP shall be not less than 35 either lengthwise or crosswise (at 100fc level), and the average brightness at 65° shall not exceed 3497 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 66.8%.

SPECIFICATIONS (continued)

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. **Housing** with side rails hemmed over and housing ends turned-in for safe handling.
FINISH: Chassis exterior—black baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.
LENSES: VA (standard) extruded virgin acrylic, 3/16" square based female cones, running 45° to the panel edge, .095" nominal thickness (similar to pattern 12). VB (optional) .125" nominal pattern 12 with 7.8 oz. average weight per square foot. VI (optional) .125" nominal pattern 12 with 6.8 oz. average weight per square foot.
ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W./UL and ULc Listed.

Job Information **Type:**

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